

$(\text{Bard College, New York})_i$

$(\text{AT \& T, New York})_j$

\mathbf{p}'_i

\mathbf{p}'_j

Eq. (3)

$\mathbf{p}^{\text{to}}_{ij}$

\mathbf{C}^{to}

$(\text{city, state}) \rightarrow \mathbf{x}_1$

$(\text{city, team}) \rightarrow \mathbf{x}_2$

$(\text{state, team}) \rightarrow \mathbf{x}_3$

\dots

Eq. (1)

$L^s(\mathbf{C}^{\text{to}}, \mathbf{p}^{\text{to}}_{ij})$